

(No Model.)

D. H. NATION.  
Range.

No. 228,268.

Patented June 1, 1880.

Fig. 1.

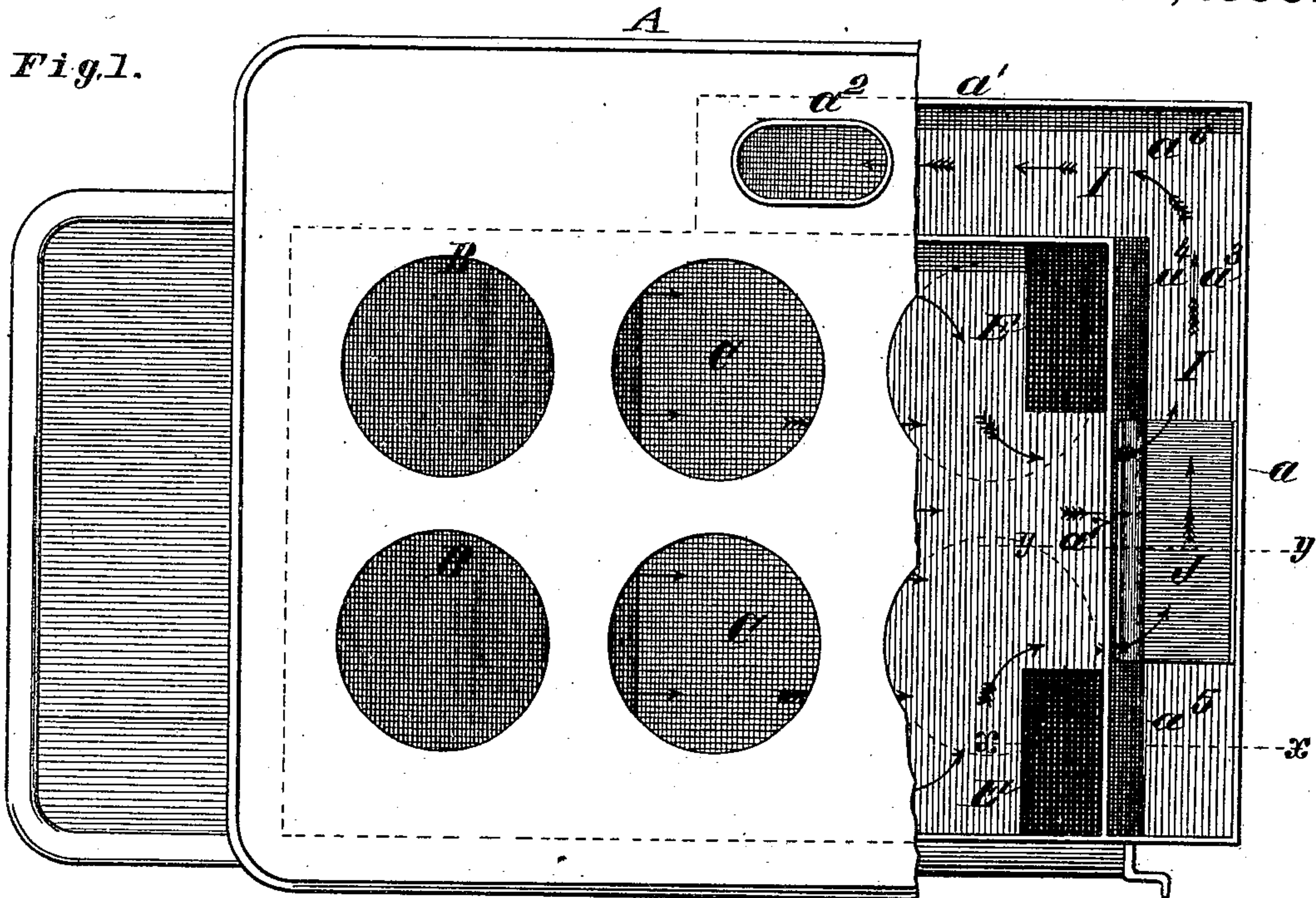
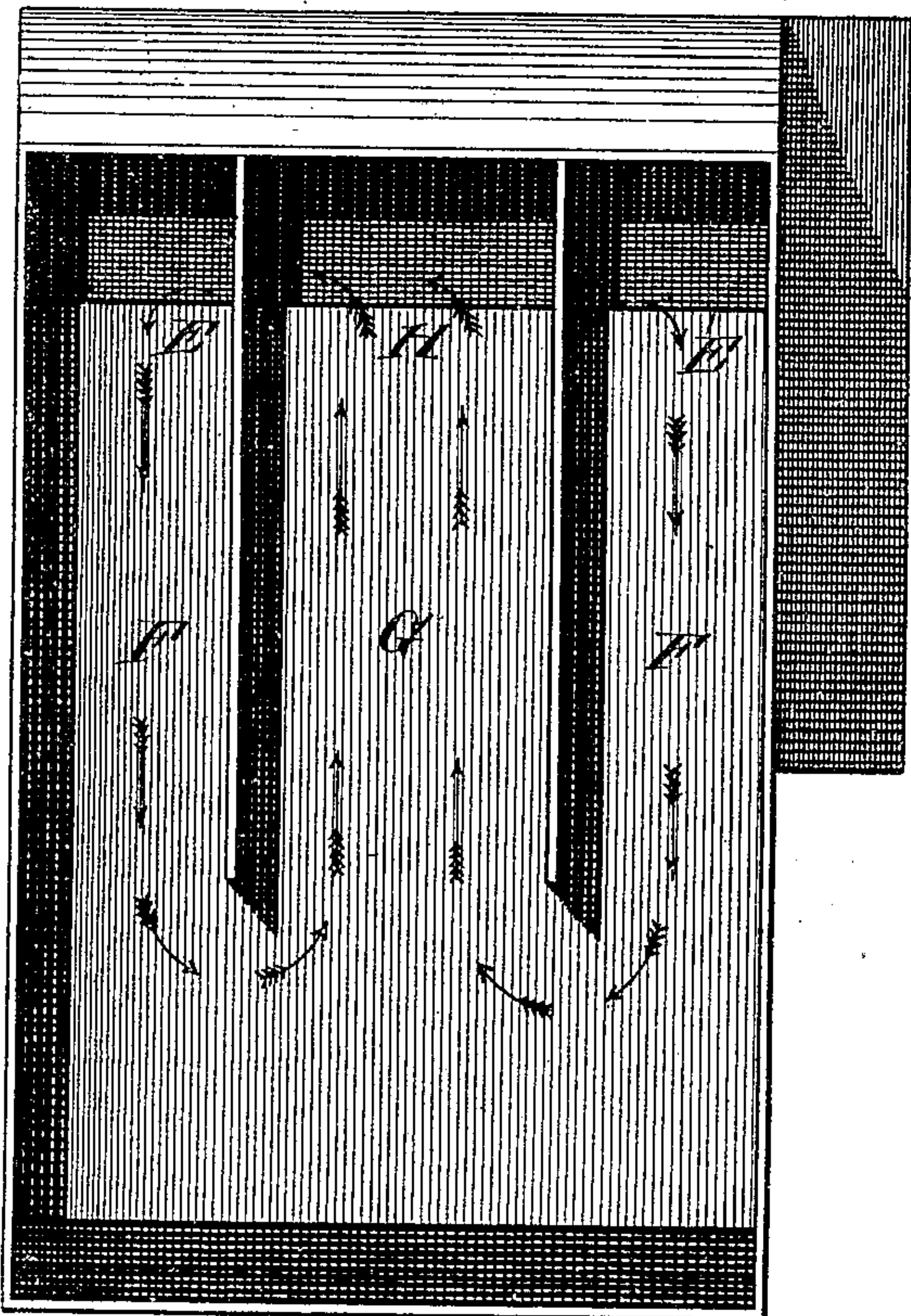


Fig. 2.



Attest:

Charles Pickles

Saml. S. Bond

Fig. 3.

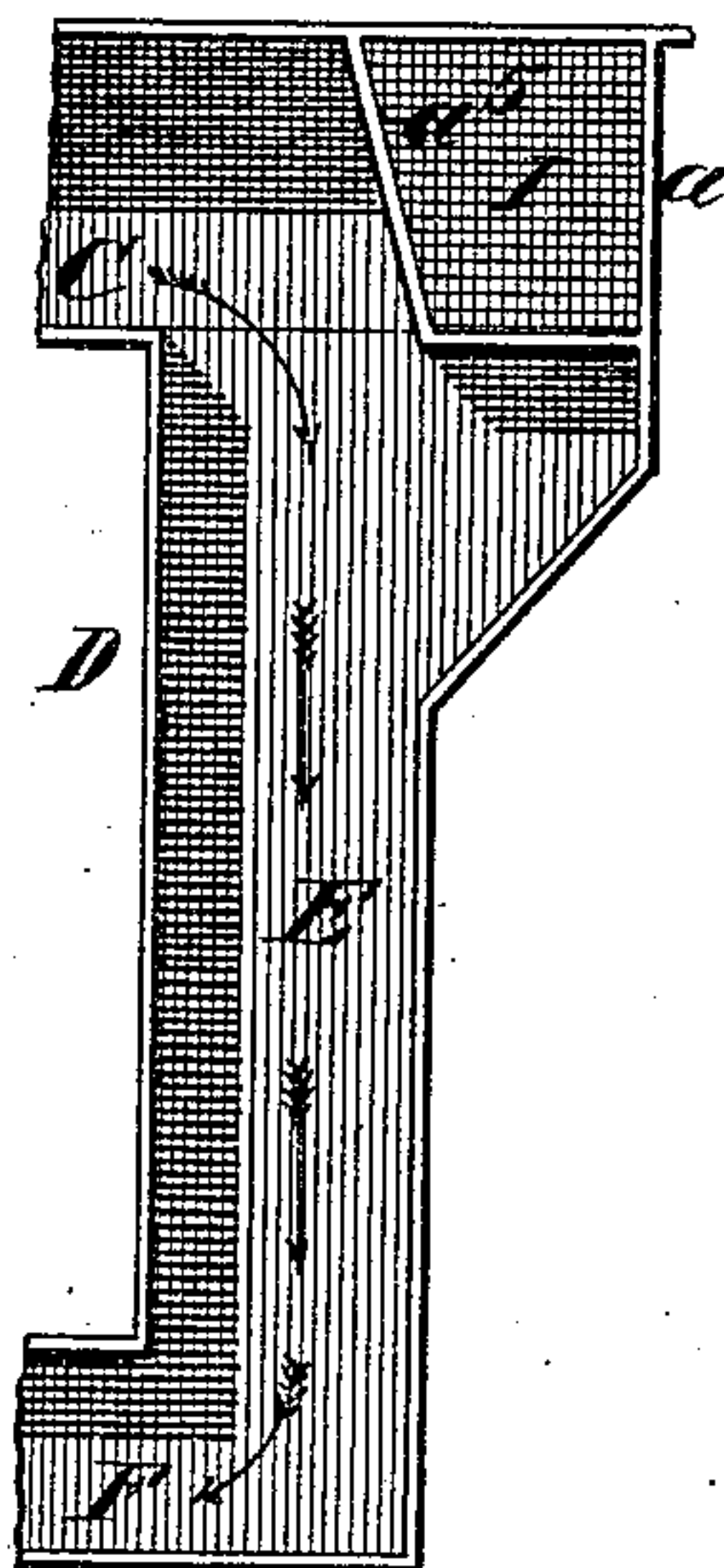
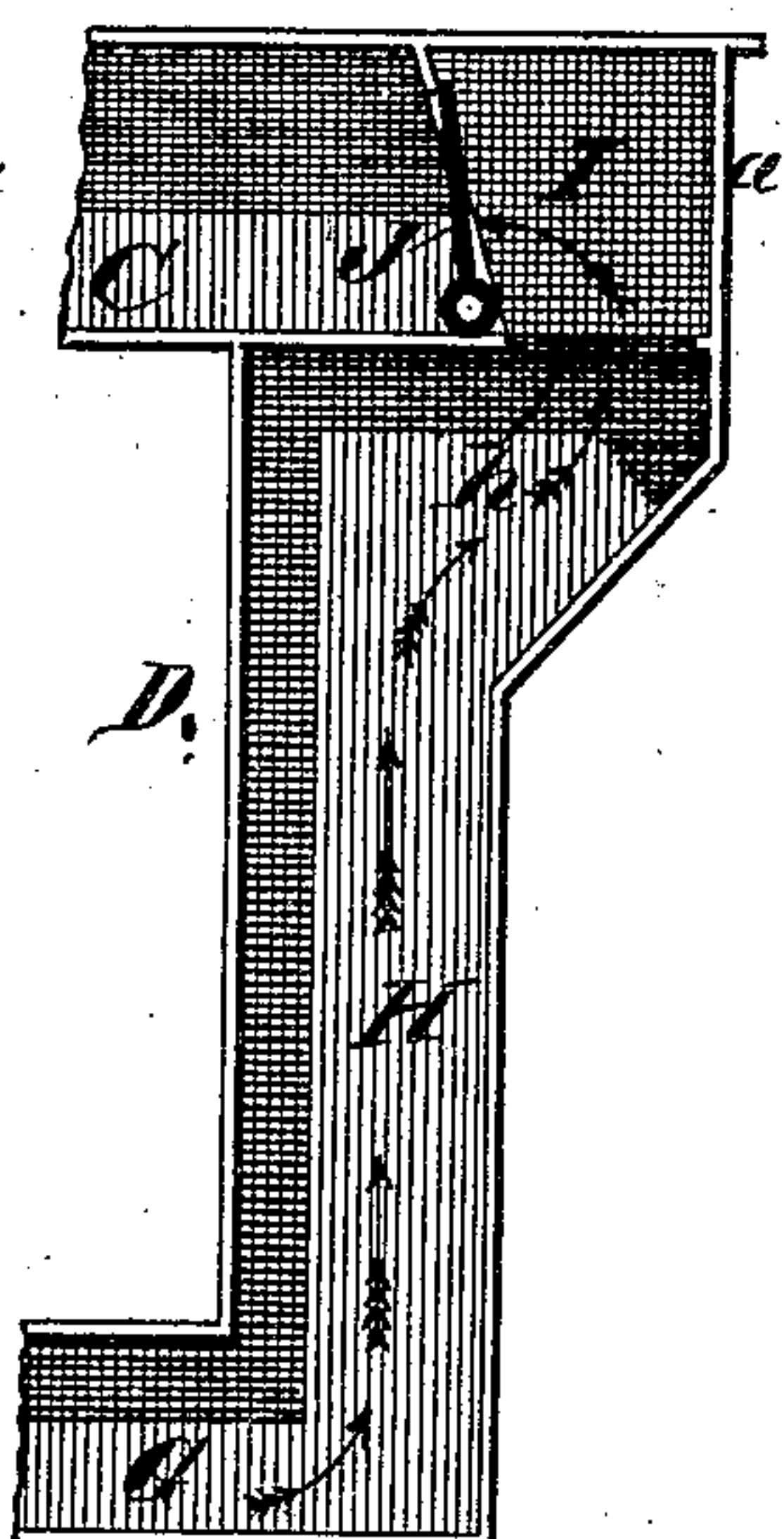


Fig. 4.



Inventor:

David H. Nation.  
by C. D. Moody.  
att'y.



# UNITED STATES PATENT OFFICE.

DAVID H. NATION, OF ST. LOUIS, MISSOURI, ASSIGNOR TO GILES F. FILLEY,  
OF SAME PLACE.

## RANGE.

SPECIFICATION forming part of Letters Patent No. 228,268, dated June 1, 1880.

Application filed April 6, 1880. (No model.)

*To all whom it may concern :*

Be it known that I, DAVID H. NATION, of St. Louis, Missouri, have made a new and useful Improvement in Ranges, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a top view of the improved range, a portion of the top plate being removed; Fig. 2, a bottom view of the range, the bottom plate being removed; Fig. 3, a vertical section taken on the line *x x* of Fig. 1, and Fig. 4 a vertical section taken on the line *y y* of Fig. 1.

The same letters denote the same parts.

I have heretofore made an improvement in ranges which combined the advantages of a three-flue cook-stove and a range.

The present construction is a modification of the one referred to, and it combines the following special advantages: The upper corner of the oven is not cut into, as in the former construction. There are six boiler-holes, all of which receive the direct heat from the fire-place, and the entire range is very compact and readily made.

Referring to the drawings, A represents the improved range, B being the fire-place, C the flue leading from the fire-place, D the oven, E E the diving-flues, F F the side bottom flues, G the center bottom flue, H the ascending flue, and I the escape-flue. The latter is arranged just beyond the en-

trances to the diving-flues, and it leads from the center of the range, at the end *a* thereof, to the back *a'* of the range, and thence along the back to the final exit *a''*. The flue is formed by means of the end plate, *a''*, strip *a'''*, and plate *a''''*. The direct entrance to the escape-flue is at *a''''*, which can be closed by the damper J. The ascending flue H connects with the flue I at *h*.

The direct draft from the flue C to the exit *a''* is indicated by the arrows in Fig. 1, the damper in such case being turned down, opening the entrance *a''''* and closing the passage *h*.

To heat the oven the damper is turned up, as in Fig. 4, and the draft is then through the flues E E, F F, G, H, and I to the exit *a''*.

I claim—

1. The combination, in a range, of the flues C and I, the former extending from the fire-place beyond the boiler-holes, and the latter extending along the end *a* of the range and thence along the back *a'*, substantially as described.

2. The combination of the flues C E E F F G H I and the damper J, said flue I being arranged beyond the diving-flues E E and extending along the end *a* and back *a'* of the range, substantially as described.

DAVID H. NATION.

Witnesses:

CHAS. D. MOODY,  
SAML. S. BOYD.